

U.S. Serial No. 10/614,520
Page 4 of 13

In the Claims

Claims 1, 2, 3 and 7 have been amended and the listing of claims below will replace all prior versions of claims in the application:

Listing of Claims

1. (Currently Amended) A mezzanine safety gate including posts adapted to be mounted at the edge of a mezzanine, a gate between said posts, normally closed and locked, a safety railing cage mounted on said posts for vertical movement, and means responsive to the location of said cage during vertical downward movement to unlock said gate.

2. (Currently Amended) A mezzanine safety gate as set forth in claim 1 including means to open said gate responsive to continued downward movement of said [railing] cage.

3. (Currently Amended) A mezzanine safety gate as set forth in claim 2 including a counterweight for said cage operative to lock the gate shut in one position and unlock the gate in [an other] another position.

4. (Original) A mezzanine safety gate as set forth in claim 3 including a hinge for said gate, and a guide tube on said gate for said counterweight offset from the hinge.

U.S. Serial No. 10/614,520
Page 5 of 13

5. (Original) A mezzanine safety gate as set forth in claim 4 wherein said means to open the gate comprises cam means on said cage.

6. (Original) A mezzanine safety gate as set forth in claim 5 including a portion of said cam means positioned to cause said gate to swing more than 90°.

7. (Currently Amended) A mezzanine safety gate as set forth in claim 6 including a right angle bend on said cam means, and a roller on said gate operative to engage [the] said cam means.

8. (Original) A mezzanine safety gate as set forth in claim 7 including a spring on said gate to maintain the gate roller in contact with the cam.

9. (Original) A mezzanine safety gate as set forth in claim 8 including pad means to maintain the gate closed for alignment with the counterweight.

10. (Original) A mezzanine safety gate as set forth in claim 4 including a guide tube for said counterweight both above and below the guide tube on said gate.

11. (Original) A mezzanine safety gate including posts mounted at the edge of a mezzanine, a gate between said posts, a cage mounted on said posts for vertical movement, and means responsive to vertical upward movement of said cage first to close said gate and then to lock the gate.

U.S. Serial No. 10/614,520
Page 6 of 13

12. (Original) A mezzanine safety gate including posts mounted at the edge of a mezzanine, a gate between said posts, a cage mounted on said posts for vertical movement, and means responsive to vertical downward movement of said cage first to unlock said gate, and then to open said gate.

13.(Original) A mezzanine safety gate comprising posts adapted to be positioned adjacent the mezzanine edge, a gate extending between said posts at the edge, a cage railing supported by said posts and adapted to be raised and lowered, and means responsive to a range of movement of said cage railing approaching and leaving the mezzanine to open and close said gate respectively.

14.(Original) A mezzanine safety gate as set forth in claim 13 wherein said last mentioned means includes means to unlock and lock said gate.

15. (Original) a mezzanine safety gate as set forth in claim 14 wherein said gate is a swing gate blocked against swinging when locked.

16. (Original) A mezzanine safety gate as set forth in claim 15 including cam means to open and close the gate when unlocked.

17. (Original) A mezzanine safety gate as set forth in claim 16 wherein said cam means is mounted on said cage railing for vertical movement therewith.

U.S. Serial No. 10/614,520
Page 7 of 13

18. (Original) A mezzanine safety gate as set forth in claim 15 wherein said last mentioned means is a counterweight attached to said cage railing.

19. (Original) A mezzanine safety gate as set forth in claim 18 wherein said counterweight telescopes into and out of a gate guide tube on said gate.

20. (Original) A mezzanine safety gate as set forth in claim 19 wherein said gate includes a hinge pivot offset from said gate guide tube.

21. (Original) A mezzanine safety gate as set forth in claim 20 including a fixed guide tube for said counterweight.

22. (Original) A mezzanine safety gate as set forth in claim 21 including fixed guide tubes for said counterweight above and below said gate.